

Claims

1. Vessel (1) with a single hull (2), the aft part (4) of which has a smaller water displacement and less breadth lying in the water than the middle part (7), and provided with a foil (10) extending below the waterline, characterized in that said foil (10) extends substantially transversely to the longitudinal axis (8) of said vessel, at the position of the greatest flow constriction of said vessel caused by said reducing water displacement, lying at a distance (a) below the hull over a breadth (b) comprising at least half the breadth of said hull at the position of the greatest flow constriction of said vessel caused by said reducing water displacement.
2. Vessel according to Claim 1, in which the distance of said foil from said hull is substantially constant over the entire breadth.
3. Vessel according to one of the preceding claims, in which said foil extends to the waterline (6).
4. Vessel according to one of the preceding claims, in which the position of said foil relative to said hull is fixed.
5. Vessel according to one of the preceding claims, in which the length (L) of said foil is at least 50% of the distance (a) of said foil from the hull.
6. Vessel according to one of the preceding claims, in which the length of said foil decreases in the outward direction from the longitudinal axis ( $L_1$ ).
7. Vessel according to one of the preceding claims, in which said foil is designed in such a way that during the forward movement of the vessel it exerts a forward propulsion force on said vessel.